

JUN 29 2000

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## IN THE CLAIMS:

Please amend the claims as follows:

sub  
C1 → --1. (Amended) A viral vector for transducing a target cell with high efficiency which comprises a gene encoding a chimeric envelope protein containing [ a portion of ] an IgG-binding domain of protein A sufficient to bind an Fc domain of an antibody with strong affinity in which the envelope protein is a viral envelope protein [ or fragment thereof ] and wherein the envelope protein [ or the fragment ] is operable to direct the assembly of the fragment into a viral particle.

C1 2. (Amended) The viral vector of claim 1, wherein the viral envelope protein comprises [ a portion of ] a retroviral envelope protein.

3. (Amended) The viral vector of claim 2, wherein the viral envelope protein [ further comprises a portion of ] is a gp70 protein of a ecotropic murine leukemia virus or an avian leukemia virus.

6. (Amended) The viral vector of claim 1, wherein the viral envelope protein comprises [ a portion of ] an alphavirus envelope protein.

C2 7. (Amended) The viral vector of claim 6, wherein the alphavirus envelope protein comprises [ a portion of ] a Sindbis virus envelope protein.

sub  
C2 → 8. (Amended) The viral vector of claim 7, wherein [ the portion of ] the IgG binding domain of Protein A is inserted into an E2 glycoprotein of the Sindbis virus envelope protein.

A

<sup>27</sup>  
39. (Amended) The viral vector of claim ~~8~~, wherein the [ chimeric gene encodes a protein consisting ] <sup>e</sup>envelop protein consists essentially of a fusion protein of an E2 glycoprotein of the Sindbis virus envelope protein and the IgG-binding domain of protein A.

<sup>sub C</sup> 18. (Amended) A [ viral complex ] chimeric virus for transducing a target cell with high efficiency which comprises a gene of interest under the control of an appropriate viral sequence and a chimeric protein comprising a chimeric envelope protein containing [ a portion of ] an IgG-binding domain of protein A sufficient to bind an Fc domain of an antibody with strong affinity.

<sup>9</sup>  
10 19. (Amended) The [ viral complex ] chimeric virus of claim ~~18~~, wherein the IgG binding domain is expressed on the surface of the envelope protein.

<sup>9</sup>  
11 20. (Amended) The [ viral complex ] chimeric virus of claim ~~18~~ wherein the [ complex ] virus further comprises an antibody targeting a particular cell of interest.

<sup>11</sup>  
12 21. (Amended) The [ viral complex ] chimeric virus of claim ~~20~~ wherein the antibody binds to a receptor for a cytokine, which cytokine is selected from the group consisting of brain derived neurotrophic factor, ciliary neurotrophic factor, colony stimulating growth factors, endothelial growth factors, epidermal growth factors, fibroblast growth factors, glially derived neurotrophic factor, glial growth factors, gro-beta/mip 2, hepatocyte growth factor, insulin-like growth factor, interferons, interleukins, keratinocyte growth factor, leukemia inhibitory factors, macrophage/monocyte chemotactic activating factor, nerve